

31585707

10 JUL 2006

KANEKO.014AUS

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Minoru Umemoto et al. ) Group Art Unit  
 Serial No. : New Application )  
 Filed : Concurrently Herewith )  
 For : PROCESS OF FORMING )  
 ULTRAFINE CRYSTAL LAYER, MACHINE )  
 COMPONENT HAVING ULTRAFINE CRYSTAL LAYER )  
 FORMED BY THE ULTRAFINE CRYSTAL LAYER )  
 FORMING PROCESS, PROCESS OF PRODUCING )  
 THE MACHINE COMPONENT, PROCESS OF FORMING )  
 NANOCRYSTAL LAYER, MACHINE COMPONENT )  
 HAVING NANOCRYSTAL LAYER FORMED BY THE )  
 NANOCRYSTAL LAYER FORMING PROCESS, AND )  
 PROCESS OF PRODUCING THE MACHINE COMPONENT )  
 Examiner : Unknown )

INFORMATION DISCLOSURE STATEMENT

Hon. Commissioner of  
 Patents and Trademarks  
 Alexandria, VA 22313-1450

Dear Sir:

Enclosed is a form PTO-1449 listing four references relevant to the above-identified application. A copy of each of the references is also enclosed herewith. This information disclosure statement is filed concurrently with the filing of the above-identified application and before the first office action on the merits, and no fee is required in accordance with 37 C.F.R. § 1.97(b)(1) and § 1.97(b)(3).

The prior art references enclosed herewith are non-English material which are Japanese Laid-Open publications. An English abstract of each Japanese Laid-Open publications is also enclosed.

02/585707

Serial No. : New Application  
Filed : Concurrently Herewith

IAP6 Rec'd PCT/PTO 10 JUL 2006

The specification of the instant application briefly explains the technologies involved in these prior art references from page 1, paragraph [0004] to page 3, paragraph [0010].

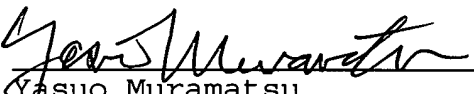
REMARKS

Applicant respectfully requests that the references disclosed in the statement be considered in the substantive examination of this case.

Respectfully submitted,

MURAMATSU & ASSOCIATES

Dated: 7/10/06

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PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(Use as many sheets as necessary)*

**Complete if Known**

Application Number	New Application: 01/585707
Filing Date	07/10/06
First Named Inventor	Minoru Umemoto
Art Unit	
Examiner Name	
Attorney Docket Number	KANEKO,014AUS

Sheet 1 of 1

## U. S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> *Number <sup>4</sup> *Kind Code <sup>5</sup> (if known)				
		JP 2003-39398	02/13/2003	Daido		
		JP 2003-522030	07/22/2003	Saap		

Examiner  
Signature

Date  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.*